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PLUMBING ABBREVIATIONS

| | | | |
|--------|---|--------|---|
| A/E | ARCHITECT / ENGINEER | KW | KILOWATT |
| AD | AREA DRAIN | KWHR | KILOWATT-HOUR |
| AFF | ABOVE FINISH FLOOR | | |
| AFG | ABOVE FINISH GRADE | L/S | LITER PER SECOND |
| AG | AIR GAP | LA | LABORATORY AIR |
| AP | ACCESS PANEL | LAV | LAVATORY |
| AS | AUTOMATIC SPRINKLER | LBS/HR | POUNDS PER HOUR |
| ASD | ADJUSTABLE SPEED DRIVES | LCW | LABORATORY COLD WATER |
| ASHRAE | AUTOMATIC SPRINKLER DRAIN | LHW | LABORATORY HOT WATER |
| | AMERICAN SOCIETY HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS | LNG | LIQUID NATURAL GAS |
| | AMERICAN SOCIETY MECHANICAL ENGINEERS | LOX | LIQUID OXYGEN |
| ASME | AMERICAN SOCIETY MECHANICAL ENGINEERS | LV | LABORATORY VACUUM |
| | AMERICAN SOCIETY PLUMBING ENGINEERS | LW | LOW WATER |
| ASPE | AMERICAN SOCIETY PLUMBING ENGINEERS | M | METER |
| ASR | AUTOMATIC SPRINKLER RISER | MA | MEDICAL AIR |
| AV | ACID VENT | MAV | MANUAL AIR VENT |
| AW | ACID WASTE | MBH | 1000 BTUH |
| | | MED | MEDICAL |
| | | MER | MECHANICAL EQUIPMENT ROOM |
| | | MH | MANHOLE |
| BFP | REDUCED PRESSURE BACKFLOW PREVENTER | MOU | MEMORANDUM OF UNDERSTANDING |
| BHP | BREAK HORSEPOWER | MSB | MOP SERVICE BASIN |
| BSP | BLACK STEEL PIPE | MV | MEDICAL VACUUM |
| BT | BATHTUB | | |
| BTU | BRITISH THERMAL UNIT | N2 | NITROGEN |
| BTUH | BRITISH THERMAL UNIT PER HOUR | N2O | NITROUS OXIDE |
| | | NC | NORMALLY CLOSED |
| | | NG | NATURAL GAS |
| C | CELSIUS | NIC | NOT IN CONTRACT |
| CGA | COMPRESSED GAS ASSOCIATION | NO | NORMALLY OPEN |
| CI | CAST IRON | NOM | NOMINAL |
| CO | CLEANOUT | NPW | NON POTABLE WATER |
| CS | CLINICAL SINK | NTS | NOT TO SCALE |
| CV | CONTROL VALVE | O2 | OXYGEN |
| | | OC | ON CENTER |
| DCW | DOMESTIC COLD WATER | OD | OUTSIDE DIAMETER |
| DHW | DOMESTIC HOT WATER | OR | OPERATING ROOM |
| DHWR | DOMESTIC HOT WATER RETURN | ORD | OVERFLOW ROOF DRAIN |
| DHWR | DOMESTIC HOT WATER RETURN | OVFL | OVERFLOW |
| DHWS | DOMESTIC HOT WATER SUPPLY | | |
| DI | DEIONIZED WATER | PA | PASCAL |
| DN | DOWN | PD | PRESSURE DROP OR DIFFERENCE |
| DOE | DEPARTMENT OF ENERGY | PDI | PLUMBING AND DRAINAGE INSTITUTE |
| DS | DOWNSPOUT | PG | PRESSURE GAGE |
| DW | DISHWASHER | PP | PLUMBING PUMP |
| DWG | DRAWING | PPM | PARTS PER MILLION |
| DWH | DOMESTIC WATER HEATER | PRS | PRESSURE REDUCING STATION |
| DWR | DRINKING WATER RETURN | PRV | PRESSURE REDUCING VALVE |
| DWS | DRINKING WATER SUPPLY | PSI | POUNDS PER SQUARE INCH |
| DWV | DRAIN WASTE VENT | PSIA | POUNDS PER SQUARE INCH ATMOSPHERE |
| | | PSIG | POUNDS PER SQUARE INCH GAUGE |
| EL | ELEVATION | PTRV | PRESSURE TEMPERATURE RELIEF VALVE |
| EMCS | ENERGY MONOSERRAT AND CENTRAL SYSTEM | PW | POTABLE WATER |
| EPA | ENVIRONMENTAL PROTECTION AGENCY | | |
| EPACT | ENERGY POLICY ACT | RD | ROOF DRAIN |
| ESC | ESCUTCHEON | RDL | ROOF DRAIN LEADER |
| ESH | EMERGENCY SHOWER | RL | ROOF LEADER |
| ET | EXPANSION TANK | RO | REVERSE OSMOSIS WATER |
| EW | ELECTRIC WATER COOLER | RWL | RAIN WATER LEADER |
| EW | ELECTRIC WATER COOLER | | |
| EW | ELECTRIC WATER HEATER | | |
| EW | EYE WASH STATION | SAN | SANITARY SEWER |
| EX | EXISTING | SMACNA | SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION |
| | | SCFM | STANDARD CUBIC FOOT/MINUTE |
| F | FAHRENHEIT | SCW | SOFTENED COLD WATER |
| FCO | FLOOR CLEANOUT | SDMH | STORM DRAIN MANHOLE |
| FCW | FILTERED COLD WATER | SP | SUMP PUMP |
| FD | FLOOR DRAIN | SPR | SPRINKLER LINE |
| FDC | FIRE DEPARTMENT (HOSE) CONNECTION | SOFT | SQUARE FEET |
| FM | FLOW METER | SS | STAINLESS STEEL |
| FOP | FUEL OIL PUMP | ST | STORAGE TANK |
| FOR | FUEL OIL RETURN | SW | STORM WATER |
| FOS | FUEL OIL SUPPLY | | |
| FOV | FUEL OIL VENT | TCV | TEMPERATURE CONTROL VALVE |
| FS | FLOOR SINK | TD | TEMPERATURE DIFFERENCE |
| FS | FLOW SWITCH | TD | TRENCH DRAIN |
| FU | FIXTURE UNITS | TDH | TOTAL DYNAMIC HEAD |
| | | TEMP | TEMPERATURE |
| | | TMV | THERMOSTATIC MIXING VALVE |
| | | TP | TRAP PRIMER |
| | | TSTAT | THERMOSTAT |
| | | TWR | TEMPERED WATER RETURN |
| | | TWS | TEMPERED WATER SUPPLY |
| | | TYP | TYPICAL |
| | | UPC | UNIFORM PLUMBING CODE |
| | | | |
| | | V | VENT |
| | | VAC | VACUUM |
| | | VB | VACUUM BREAKER |
| | | VCO | VACUUM CLEANER OUTLET |
| | | VP | VACUUM PUMP |
| | | VS | VENT STACK |
| | | VTR | VENT THROUGH ROOF |
| | | | |
| | | W | WASTE |
| | | WC | WATER CLOSET |
| | | WCO | WALL CLEANOUT |
| | | WG | WATER GAGE |
| | | WH | WALL HYDRANT |
| | | WH | WATER HEATER |
| | | WHA | WATER HAMMER ARRESTER |
| | | WL | WATER LINE |
| | | WM | WATER METER |
| | | WPD | WATER PRESSURE DROP |
| | | WS | WASTE STACK |
| | | | |
| ICW | INDUSTRIAL COLD WATER | YCO | YARD CLEANOUT |
| INV | INVERT | YH | YARD HYDRANT |
| IPC | INTERNATIONAL PLUMBING CODE | | |
| IRW | IRRIGATION WATER | | |
| IW | INDIRECT WASTE | | |
| IWH | INSTANTANEOUS WATER HEATER | | |
| IWR | INDUSTRIAL WATER RETURN | | |
| IWS | INDUSTRIAL WATER SUPPLY | | |

PLUMBING VALVE SYMBOLS

GENERAL PLUMBING SYMBOLS

PLUMBING PIPING SYMBOLS

DRAWING SYMBOLS

three inches = one foot

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PLUMBING ABBREVIATIONS / LEGEND

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COMMUNITY LIVING CENTER

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